

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT

PERMITTEE

G & K Services, Inc.  
Attn: Mr. Robert Maples  
5611 - 11th Street  
Rockford, Illinois 61109-3688

Application No.: 86050063

I.D. No.: 201030AYL

Applicant's Designation: DPC172ROC

Date Received: November 12, 2002

Subject: Petroleum Dry Cleaning and Industrial Laundering

Date Issued:

Expiration Date:

Location: 5611 - 11th Street, Rockford

This permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of 2 washers, 3 petroleum dry cleaning machines, 6 dryers, and 2 boilers pursuant to the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This federally enforceable state operating permit is issued to limit the emissions of air pollutants from the source to less than major source thresholds (i.e., 25 tons per year of VOM, 25 tons per year of combined HAPs and 10 tons per year of each single HAP). As a result the source is excluded from the requirement to obtain a Clean Air Act Permit Program (CAAPP) permit. The maximum emissions of this source, as limited by the conditions of this permit, are described in Attachment A.
- b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
- c. This permit supersedes all operating permits issued for this location.
- 2a. The 3 petroleum dry-to-dry cleaning machines constructed after December 14, 1982 are subject to New Source Performance Standards (NSPS), 40 CFR 60, Subparts A and JJJ. The Illinois EPA is administering these standards in Illinois on behalf of the United States EPA under a delegation agreement.
- b. Each affected petroleum solvent dry cleaning dryer that is installed at a petroleum dry cleaning plant after December 14, 1982, shall be a solvent recovery dryer. The solvent recovery dryer(s) shall be properly installed, operated, and maintained (40 CFR 60.622).
- c. Each affected petroleum solvent filter that is installed at a petroleum dry cleaning plant after December 14, 1982, shall be a cartridge filter. Cartridge filters shall be drained in their sealed housings for at least 8 hours prior to their removal (40 CFR 60.622).
- d. The solvent recovery cycle shall continue until the flow rate of recovered solvent from the solvent recovery dryer is no greater than 0.05 liters per minute (40 CFR 60.624).

- e. At all times the Permittee shall also maintain and operate the petroleum dry cleaning plant, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions, pursuant to the NSPS, 40 CFR 60.11(d).

3. Emissions and operation of the 3 petroleum dry cleaning machines shall not exceed the following limits:

Petroleum Solvent Usage			VOM Emissions		
(Gal/Hr)	(Gal/Mo)	(Gal/Yr)	(Lb/Hr)	(Tons/Mo)	(Tons/Yr)
1.25	400	4,000	8	1.3	12.9

These limits are based on 100% VOM content of solvent, solvent density of 6.43 lb/gal, maximum operating rate and 35 Ill. Adm. Code 215.301. Compliance shall be determined from a running total of the previous 12 months data.

4. The petroleum dry cleaning machine is exempt from Title 35, Subpart Z for Dry Cleaners pursuant to 35 Ill. Adm. Code 215.611 for petroleum dry cleaning facilities with potential emissions of less than 100 tons per year of VOM.

- 5a. Emissions and operation of the 2 washers and 6 dryers shall not exceed the following:

Soiled Towels	Towels		Emission Factor (Lb/1,000 Lb of Soiled Towels)	Volatile Organic Material Emissions	
	Processed (T/Mo)	(T/Yr)		(T/Mo)	(T/Yr)
Print	26.4	317	258	8.2	81.7
Shop	72.5	870	4	0.4	3.5

These limits are based on mass balance testing. Compliance with annual limits shall be determined from a running total of 12 months of data.

- b. This permit is issued based on VOM emissions from each emission unit not exceeding 8 pounds in any given hour, pursuant to 35 Ill. Adm. Code 215.301.
- 6a. The emissions of Hazardous Air Pollutants (HAP) as listed in Section 112(b) of the Clean Air Act shall be less than 10 tons/year of any single HAP and 25 tons/year of any combination of such HAPs. As a result of this condition, this permit is issued based on the emissions of all HAPs from this source not triggering the requirements to obtain a Clean Air Act Permit Program Permit (CAAPP), and Section 112(G) of the Clean Air Act.
- b. Every 3 months the Permittee shall analyze a sample of solvent from the print and shop towels for HAPs and keep records of the contents.

7. Emissions and operation of the 2 boilers and all natural gas combustion equipment shall not exceed the following:

Natural Gas Usage		NO <sub>x</sub>		CO		VOM	
(mmscf/Mo)	(mmscf/Yr)	(T/Mo)	(Ton/Yr)	(T/Mo)	(Ton/Yr)	(T/Mo)	(Ton/Yr)
16	155	0.8	7.8	0.7	6.5	0.05	0.43

These limits are based on standard AP-42 emission factors. Compliance with annual limits shall be determined from a running total of 12 months of data.

- 8a. The Permittee shall maintain monthly records of the following items:
- a. Petroleum solvent usage (gal/month and gal/year);
  - b. Operating hours for each dryer and drycleaning machine (hr/month and hr/yr);
  - c. Print and shop towels processed (tons/mo and tons/yr); and
  - d. VOM and HAP emission calculations.
- b. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least five years from the date of entry and shall be made available for inspection and copying by the Illinois EPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Illinois EPA request for records during the course of a source inspection.
- 9a. If there is an exceedance of the requirements of this permit as determined by the records required by this permit, the Permittee shall submit a report to the Illinois EPA's Compliance Section in Springfield, Illinois within 30 days after the exceedance. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences.
- b. Two (2) copies of required reports and notifications concerning equipment operation or repairs, performance testing or a continuous monitoring system shall be sent to:

Illinois Environmental Protection Agency  
 Division of Air Pollution Control  
 Compliance Section (#40)  
 P.O. Box 19276  
 Springfield, Illinois 62794-9276

and one (1) copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
5415 North University  
Peoria, Illinois 61614

10. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year: VOM and HAP emission calculations.

If you have any questions on this permit, please contact Randy Solomon at 217/782-2113.

Donald E. Sutton, P.E.  
Manager, Permit Section  
Division of Air Pollution Control

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cc: Illinois EPA, FOS, Region 2  
Illinois EPA, Compliance Section  
Lotus Notes

### Attachment A - Emission Summary

This attachment provides a summary of the maximum emissions from the industrial laundering plant operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Illinois EPA used the annual operating scenario which results in maximum emissions from such a plant. This is handling 99 tons of soiled towels annually. The resulting maximum emissions are just below the levels of 25 tons per year of VOM, 25 tons per year of combined HAPs and 10 tons per year of each single HAP at which this source would be considered a major source for purposes of the Clean Air Act Permit Program. Actual emissions from this source will be less than predicted in this summary to the extent that less material is handled and control measures are more effective than required in this permit.

1. Emissions and operation of the 3 petroleum dry cleaning machines shall not exceed the following limits:

Petroleum Solvent Usage			VOM Emissions		
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- b. This permit is issued based on VOM emissions from each emission unit not exceeding 8 pounds in any given hour, pursuant to 35 Ill. Adm. Code 215.301.
3. The emissions of Hazardous Air Pollutants (HAP) as listed in Section 112(b) of the Clean Air Act shall be less than 10 tons/year of any single HAP and 25 tons/year of any combination of such HAPs. As a result of this condition, this permit is issued based on the emissions of all HAPs from this source not triggering the requirements to obtain a Clean Air Act Permit Program Permit (CAAPP), and Section 112(G) of the Clean Air Act.

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4. Emissions and operation of the 2 boilers and all natural gas combustion equipment shall not exceed the following:

Natural Gas Usage		E M I S S I O N S				VOM	
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		(T/Mo)	(Ton/Yr)	(T/Mo)	(Ton/Yr)	(T/Mo)	(Ton/Yr)
16	155	0.8	7.8	0.7	6.5	0.05	0.43

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